

CHAPTER 6 ENGINE MOUNTINGS

(Completely revised)

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General

1. Attention is drawn to Part 1, Chap.6 where key diagrams of the engine mountings may be found. The numbers identifying the parts in the following paragraphs are the key numbers shown on the illustration depicting the appropriate engine mounting in this chapter.

Engine mounting - Mk.4 - Avon engine (Part 1, Chap.6, fig.1)

2. (a) *Front mounting (port and starboard).* The maximum diametric clearance allowed between the spherical bearing (1) and the eye end (2) is .003 in. Rectification action requires the renewal of (1) and (2). The fork end (4) is assembled with a bearing identical with (1) and an eye end supplied by Rolls Royce. The maximum diametric clearance is again .003 in. and partial rectification is obtained by renewing the bearing.

(b) *Rear mounting (port and starboard).* The mountings consist of spherical bearings (F.166660 port, F.166661 starboard) which are assembled in the bearing blocks (7) and bearing caps (8). The maximum worn clear-

ance allowed between these parts is .006 in. Rectification action requires the renewal of the spherical bearing and/or (7) and (8) together. (Parts (7) and (8) are manufactured as a pair).

Engine mountings - Mk.6, 9 & 10 - Avon engine (Part 1, Chap.6, fig.2)

3 (a) *Front mounting (port and starboard).* The maximum diametric clearance allowed between the spherical bearing (1) and the eye end (2) is .003 in. Rectification action requires the renewal of (1) and (2). The lower ends of the links are also assembled with bearings, the maximum diametric clearance of which is .003 in. Partial rectification may be obtained by renewal of the bearings which are supplied by Rolls-Royce.

(b) *Rear mounting (port and starboard).* The trunnions on the engine are secured to frame 40A by hinge fittings (7) and caps (8). The maximum worn clearances between these parts is .006 in. Rectification is carried out by renewing the worn parts. The hinge fitting and cap must both be fitted if renewal is found necessary. (Parts (7) and (8) are manufactured as a pair).

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